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### Objective

To obtain a challenging and rewarding internship to help further my education by obtaining real world industry problem solving experience, critical to both engineering and medical fields.

### Education

University of Rochester (U of R), Rochester, NY **May, 2018**  
BS, Mechanical Engineering (ME), GPA: 3.2 (Out of 4.0)

### Technical Skills

**Computer Programs:** Solidworks, ProE Creo, Autodesk Revit, Autodesk Inventor, MatLab, Mathematica, Python, Microsoft Office Suite (including advanced Excel skills), Adobe Creative Suite CS6 (Advanced knowledge in most programs)

**Machine Shop:** Lathe, Mill (Computerized and manual), 3D Printing (Makerbot Replicator 2, DaVinci XYZ Duo, Stratasys Objet 30 Pro, and Stratasys UPrint SE Plus)

### Key Projects

#### **Research in Allergy and Immunology for Mast Cell Activation Disorder May 2015 – Present**

- Grant funded clinical research focusing on the diagnosis and treatment of two seemingly interlinked allergy/immunology conditions. Abstract submitted for the American Academy of Allergy, Asthma, and Immunology Conference, paper publication expected March 2016
- Skills include clinical research, comparative analysis, critical thinking, data analytics, decoding complex medical terminology, and professional paper development.

#### **Bridge Design and Truss Analysis, U of R August – December 2014**

- Designed a cantilevered, self-supporting bridge truss system and verified design efficacy through theoretical calculations
- Presented research findings during a poster presentation conference to a judging panel
- Skills included truss analysis software, static equilibrium analysis, failure mode analysis

#### **Client Design Projects**

- Developed creative sales videos, designed multiple corporate logos, and worked on CAD design projects for various clients. Examples featured on my LinkedIn page or personal website
- Skills include advanced video / audio editing techniques, photo realistic CAD imaging, advanced Photoshop skills, interactive client consultation, and sales development techniques.

### Work Experience

#### **Lifeguard Supervisor, Taconic Sport and Racquet Club May 2015 – August 2015**

- Developed and executed regulatory compliance plans for new owners, coordinated and executed staff training, Maintained personnel scheduling and resolved conflicts

#### **Sales Associate and technology lead, Bikeway Inc. May 2015 – August 2015**

- Introduced mobile technology into the sales process, developed promotional materials, honed sales and customer relations skills to improve sales outcomes.

#### **Zip Line Guide, Big Bear Zip lines, Hyde Park, NY June 2014 – August 2014**

#### **Swim Instructor, Coach, and Lifeguard, Town of Beekman Recreation June 2012 – August 2013**

#### **Volunteer, Vassar Brothers Medical Center Hospital**

### Extra-Curricular Activities

University of Rochester, Varsity Track and Field Team and Club Triathlon and Cycling Teams  
University of Rochester Rocket Club  
American Society of Mechanical Engineers  
Personal Disc Jockey Business

### Honors and Awards

**Eagle Scout**, Troop 40 Hopewell Junction, 2013